Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/01/2020 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125843	0	2.16	125967	2.15
Blue	F	SSC	125000	124409	-1	1.78	125178	1.80
Blue	E	FITC	15892	15460	-3	2.76	338	20.45
Blue	D	PE	29999	29801	-1	1.97	650	14.96
Blue	B	PerCP-Cy5-5	43732	43806	0	3.68	1175	20.42
Blue	A	PE-Cy7	30845	31052	0	6.12	593	41.53
Red	C	APC	46112	45685	-1	2.46	1614	12.13
Red	A	APC-Cy7	30458	29579	-3	2.39	783	12.05
Violet	B	V450	7918	7542	-5	4.18	423	13.12
Violet	A	V500	32171	31144	-4	3.95	726	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17587	10.55	623	2	N/A	N/A	Pass
Blue	F	SSC	56716	1.28	565	6	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0185	80	Pass
Blue	D	PE	135	49.42	550	2	0.1491	232	Pass
Blue	B	PerCP-Cy5-5	215	49.09	657	1	0.0089	26	Pass
Blue	A	PE-Cy7	109	102.79	700	2	0.0105	14	Pass
Red	C	APC	386	25.09	587	3	0.0243	135	Pass
Red	A	APC-Cy7	172	28.63	558	2	0.0054	796	Pass
Violet	B	V450	64	57.91	459	1	0.0473	1672	Pass
Violet	A	V500	109	32.95	476	2	0.0236	723	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.87	-32.10	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	15.96	13.60 - 20.40	N/A	N/A	29.19	30.03	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10629

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments